

Thirteenth Edition

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LANGE'S HANDBOOK OF CHEMISTRY

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THIRTEENTH EDITION

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Table 9-1 (Continued)
ELEMENTS AND INORGANIC COMPOUNDS

Formula and Description	State	<i>∆B∫</i> *	∆Gf*	5.	c;
K@r,	eq.	_91,49	-93.29	76.0	
		-129.5	-136.2	69.7	19.47
K _p Br _x KBrO		_82B	-75.5	34	
	94	-88.10	-64.82	38.65	26.72
KBrO ₉	¢	-76.35	-83.27	63.15	
	eq, tnf		-41.70	40.65	28,72
KBrO.	C	-68.80		72.2	
	1 84	-57.2	-99.5	68	
KCdBr ₃ · H ₂ O	•	-242.1	-221.2		
KBr - 3OdBr ₂ - 4H ₂ O	•	-604.9	-634.2	166	
KCdCl ₃	¢	201.0			
•	=9	-1944	<i>-</i> 184.1	79.0	
KCdOl₂ · H _d O	c	-2724	-241.60	60	
KCI - 3CdClg - 4HzO		-675.1	-581.1	147	
K ₂ OdOl ₄	ا د	-621.4	-479.5	93	
	ءَ ا	-198.4	-185.2	B1	
KOSa - HyO		_202.3	-210.9	127	
K ₂ Odl ₄	89	-346.7	-321.4	125	
K _e Cdl _e - 2H _e O	c				15.54
KCN	i o	-27.0	-24.36	80.71	12.51
	9	21.7	15.34	62.67	اهما
	BC DB	-24.3	-26.5	47.0	
KONO	c	-100.06			
	20	-95.2	-91.0	50.0	
KCNS .	C	- 47.84	-42.62	29.70	21.16
	85	-42,05	-45.55	50.0	-4.4
K ₆ CO ₅	6	-275.1	_254.9	37.17	27.3
rigoros	80	-282.48	-261.57	35.4	1
K ₁ 00 ₃ - 1.5H ₂ O	1 6	-384.6	_342.4	48.6	
		-230.2	~206.4	27.6	
KHCO ₃	90	-225.71	-207.96	48.3	1
		-152.46			1
KOOCH formate	C	-182.03	-151.6	46	-154
	. 30	,	_ 151.6	1 **	_ '**
KOOCCH ₂ acetate	C	-172.6	-166.09	45.2	3.7
	94	176.48		53.0	-
KOOCCH_NH _a glycinete	844	-172.60	-142,98		
IOIC _E O _e exelute: from HC _E O _e	aq.	255.0	-234,63	60.2	l
K ₄ C ₄ O ₄	c	-321.9		1	l
utrificit	eQ.	-317.81		Į.	
КС	6	- 104.38	-97.79	19.74	12.2
	٥	-51.18	-65.60	57.12	8.7
	an, inf	-100.27	-99.07	88.0	_27.
	0	-148.0	-148.8	83.0	19.2
K _a Cl _a .	ag .	-B5.9	-76.5	35	
KCIO	80	-76.2	-63.6	48.7	
KCIO ₁		-95.00	-70.82	84.2	23.6
KCIO ₃	°	-85.17	_69.62	63.5	
	AG, Inf		-72A6	36.10	26.0
KCIO4	9	-103.43	-69.76	58.0	
	aq, inf	-91.23			1
KHCrO ₄ from HCrO ₂	. 49	_27 0.2	_260. 5	68.5	1
K ₆ OrO ₄	i e	-335.5	-309.7	47.88	34.1
	ac, trif	-891.24	-309.36	61.0	
K _e Cr _e D ₇	G	-492.7	-449.B	69.6	82.
د ماليان المالية	ag	- 475.8	-448.4	111.5	1
w at	ag	-102.5	_116.1	227	
K ₀ Cu(CNS).		-408.0	356.8	64.96	60.
Kirchick - SHPO	C		-126.53	15.91	11.
KF	C	-186.58	-82.13		
	. 9	_77.78		54.14	4 .
	ac, inf	-139.52	-184.34	21.2] -¤
KF · 2H ₂ O	e	-276.11	-244.17	27.1	1
10-F ₂	٥	-221,72	-205.45	24.92	18.
	40	-215.68	205.89	46.6	1
from HFF		-205.3	-204.6	78.7	18.
K.F.	9	-205.3 -59.7	-31.0	101,63	٠ <u>٠</u>
- K_Fo(CN)	} c				

Section 9

THERMODYNAMIC PROPERTIES

Table 9-1 (Continued) ELEMENTS AND INORGANIC COMPOUNDS

		1	2,101		OMI COLL	-		
	c;	Formule and Description	State	∆Hf°	∆ <i>G/</i> ~	s.	c,*	
-53		PuN	G	-75,70	-69.16	14.20	12.75	
-28		PuO	C	-135	-128.8	16.9	12.25	
		PuO _s	Ċ	-252.9	-240.4	19.7	15.4	
64.70	50.60	Pu ₂ O, a	C	-430	-411.2	33.2	31.8	
54.70	48.94	PuOBr #	c	-410.00 -212.40	-590.12 -204.24	36.4	\$1.3	
		Puoci	C	-212.40 -222.7	-204.24	28.5 26.00	20.99 19.99	
85.97	21,48	PUOF	ő	-289.80	257.87	21.90	18.99	
53.17	33.17	PuOI	6	-197.80	- 191.43	30.20	21.99	
77.78	20.30	Pu(80 ₄),	ءَ ا	-826.00	-470.71	39.00	43.49	
72.06 76.65	18.45 18.90	PuS	c	-105.00	-104.37	18.70	12.90	
		Pu _s s,	ءَ ا	-236.60	-235.53	48.00	30.99	
68.18 16.45	10/0	Polonium			•			
48	26.00	Po	_ c	0	0	15.0	8.3	
49.5	44.00		9	34.8	25.5	45.18		
76.28	87	Po^{2+} sid. state, $m=1$	eq.		17			
89.08	22.69	Po $^{++}$ atcl. state, $m=1$	aq.		70	· · · · · · · · · · · · · · · · · · ·		
80.60	21.47	PoCl2- sttl. state, $m=1$	84		138			
71.28	17.82	Po(OH),	C		-180			
		Fo(OH) f^1 std. state, $m=1$	99	1 :	-113	_		
9.96	6.20	PoO,	i e	-60	47	17	14.7	
45.960	6.102	PoO ₁ PoS	C		-23			
(28)		Potneskum	•		_1 {			
(44)		K FORESAMI			_			
(56)		<u>}</u>	0	0	0	15.94	7.07	
(68)	ł		Eq.	0.548	0.083	17,08	7.82	
(47)	1	K+	g	21.33	14.49	38.30	4.97	
(67)		KAG(CN) ₂	#4	80.32	67.70	24.5	5.2	
(27)		\$ WAINTE	C 20	-4.0	[
(28)		KAgCla	1 7	4.3	5.3	71		
(36)		. I makes	e e	- 134.6				
(42)	1	K _a Agl _a	aq	-118.9 -164.1	-119.2	79.8		
	1	KAICL	en C	-104.1	-172.2	109.5	87.4	
37		KANCL		-497.5	-262 -483.3	47	59.49	
52.6		KAF,	l c	-786.5	~46313	90.0	62.84	
56.3			eq	-783.B		68 .	UE D-4	
83.23	29.55		0	-4464.4	-4521.8	835.6	354.3	
		I KA(SOJ)	ء	-590.4	-535.4	48.87	48.11	
62	j	# from AP+ + SO2=	-	-622	-640	-42.8		
(30)		KA(SO.) - 12H_O	e	-1448.B	-1226.9	184.3	155.6	
12.18	10.37	KAELO, loucho	ė	-725.2	-886.3	47.B	39.23	
17.85	15.75	KAISI ₀ O ₀ semidine	c	_948.4	-893.9	55,68	48.88	
18.41	11.93	microcline	l c	-948.4	~894.6	61.20	48.37	
29,92	18.03	KAN ₀ Si ₂ O ₁₀ (OH) ₂ musicovite	•	1430.3	-1340.5	78.2		
		KAISIO4 kallophilite	C	- 507.0	-479.3	31.8	28.63	
12.3	8.48	KH4A6Oz	c	-282.2	-247.6	27.06	30.29	
42.00	1	from H _a AsO ₄	eq.	-277.71	-247.74	52		
289		K _e HAnO ₄ from HAnO2*	ed.	-887.25	-806.22	48.6		
45.55	25.78	K-ABO ₄	80	-363.23	-358.10	34.0		
48.10 40.50	25.78	KBF₄	٥	-449.8 -496.7	-426.8	36.40	26.43	
38.00	24.58	A KORKL	849 4		-423.1	68	22.96	
20.00		The state of the s	80	-54.35 -48,61	-38.32 -40.39	25.40 50.9	22.00	
27.00	23.14	————————————————————————————————————	c	-234.8	-220.7	19.12	16.95	
27.00 38.7	28.88	3	80	-244.92	-229.97	15.6	- 0-90	
53.20	40.00	∯ K _t O ⋅ Β _t O ₃		-469.2	-441.4	38.24	31.90	
14.3	9.23	1 K,B,O,	c	-795.9	-749.7	49.80	40.75	
15.5	10.33	K _i BeF _i γ	c	-539.5				
51.20	26.73	, B	G	-537.4			l	
31.20 , 25.10		. <i>p</i>	e	597.6				9-4
		g K⊞r	١,٠	-94.12	-90.96	22.82	12.60	3-4
			ac. inf	-89.37	-82.65	44.2		